

FIG. 1

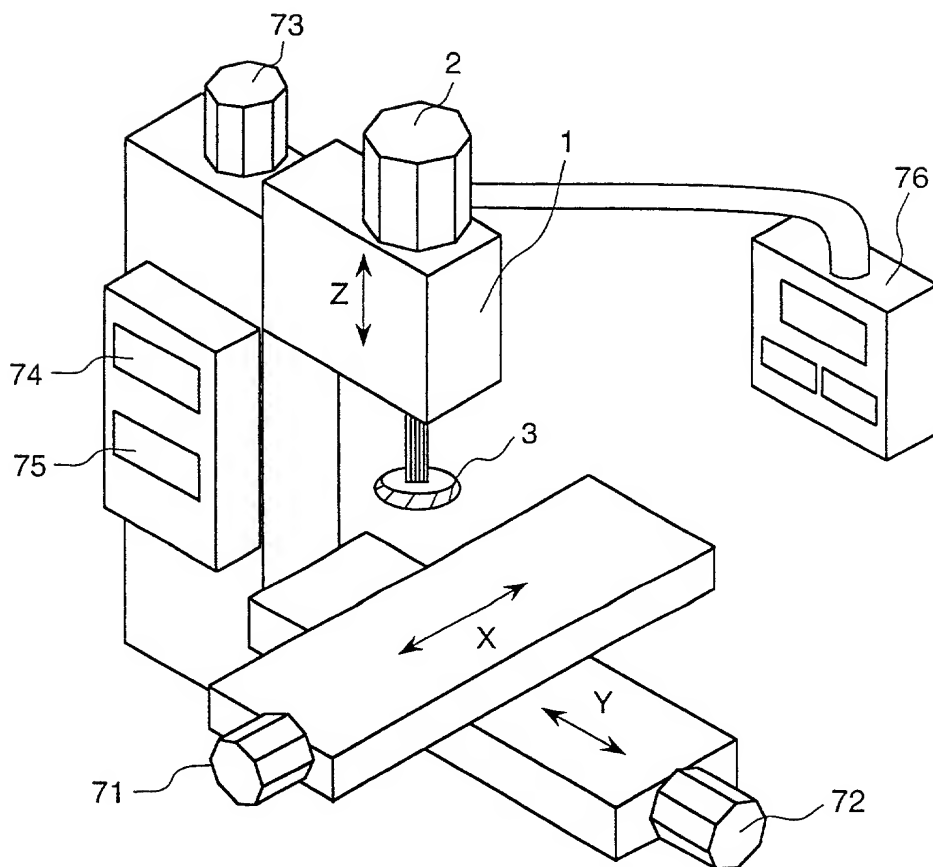


FIG. 2

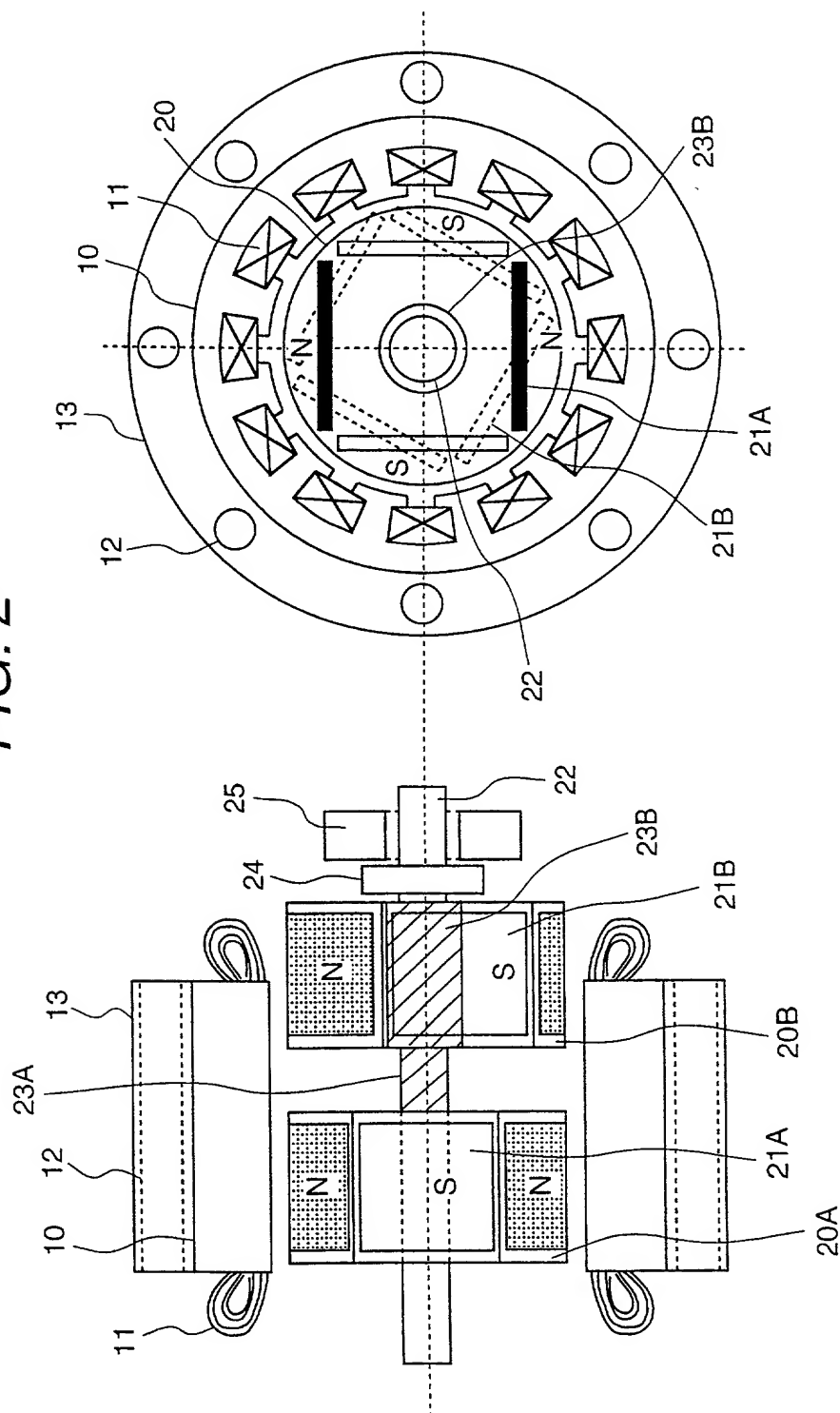


FIG. 3

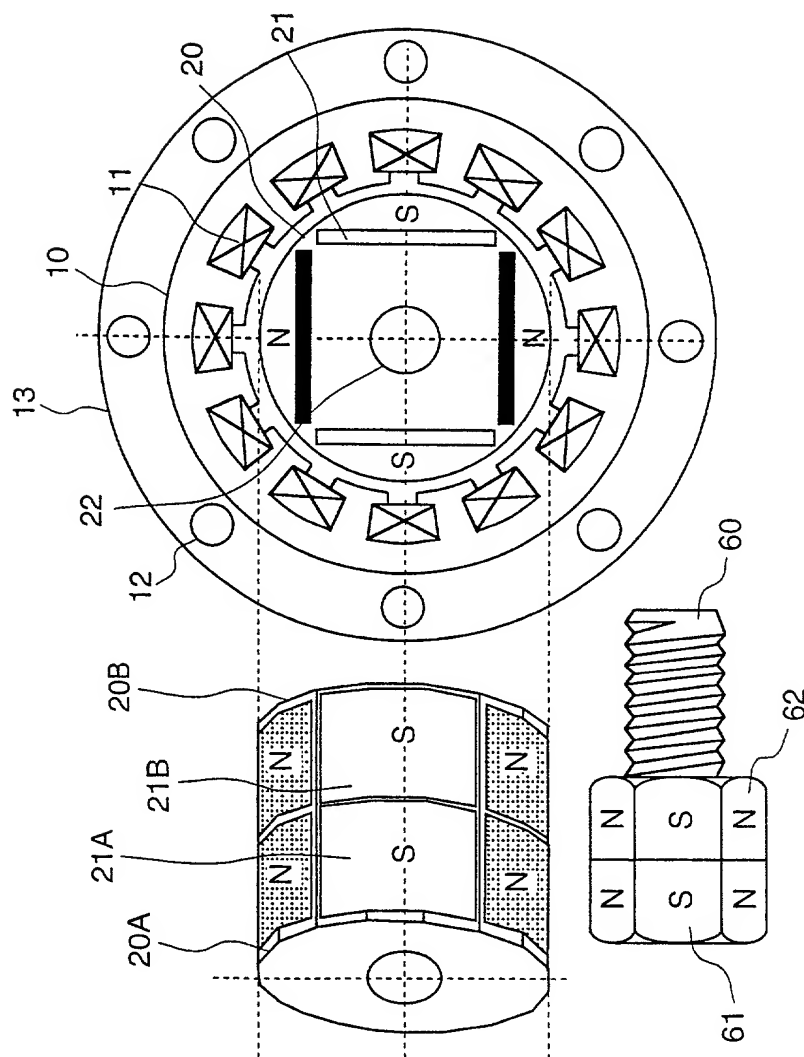


FIG. 4

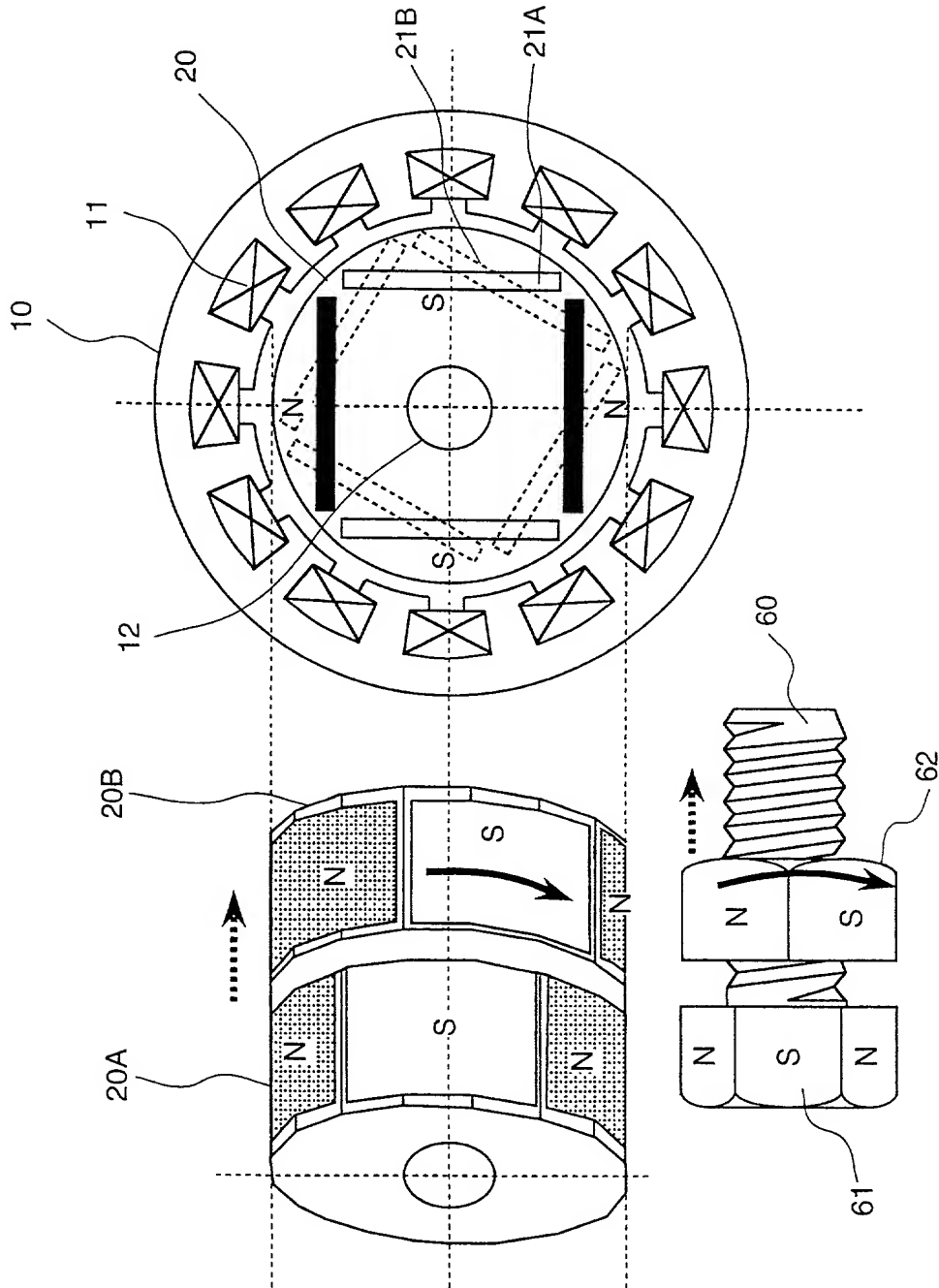


FIG. 5(a)

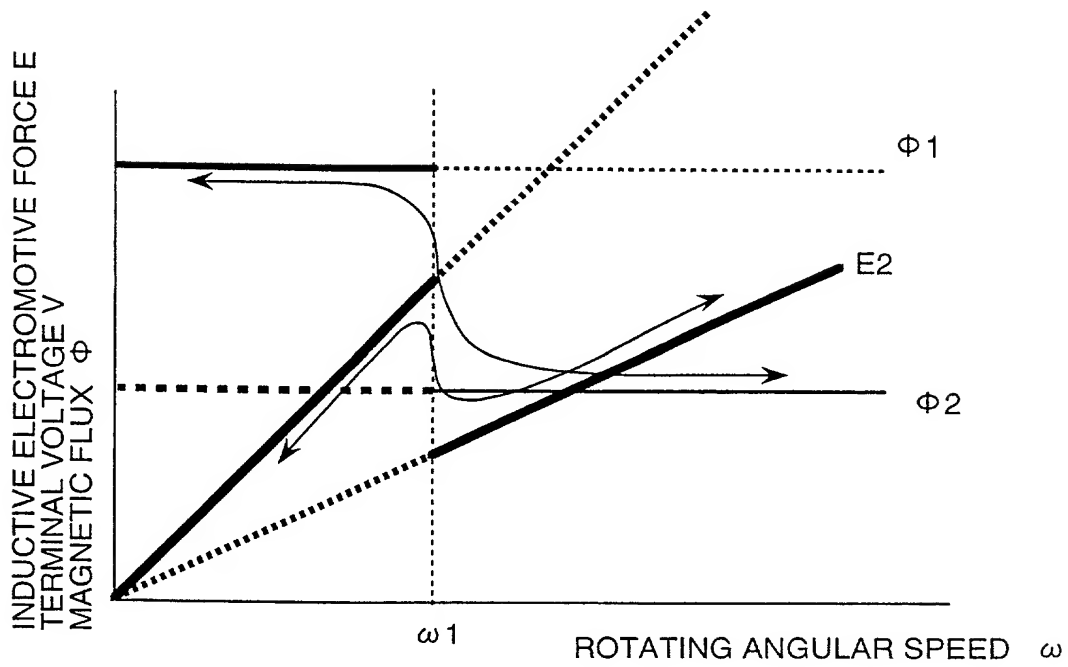


FIG. 5(b)

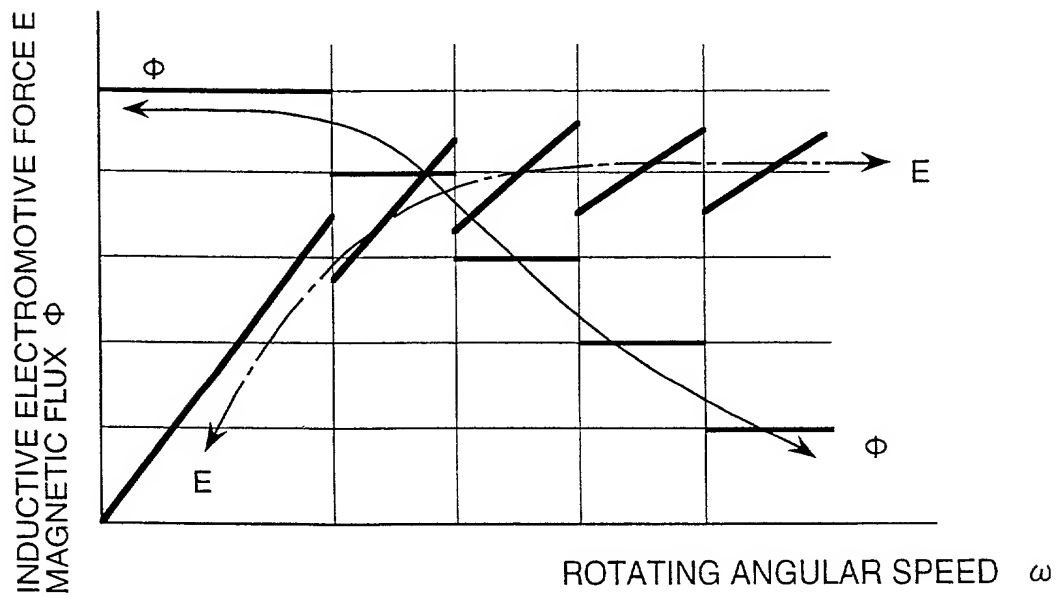


FIG. 6

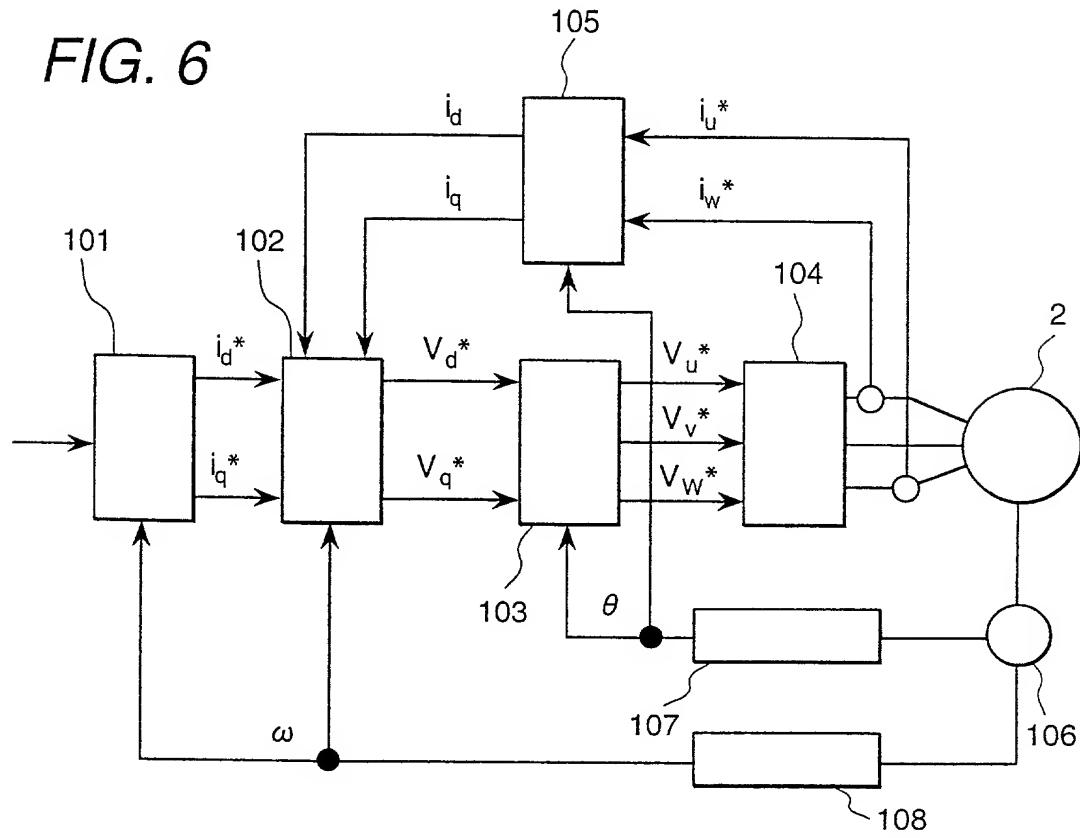


FIG. 7

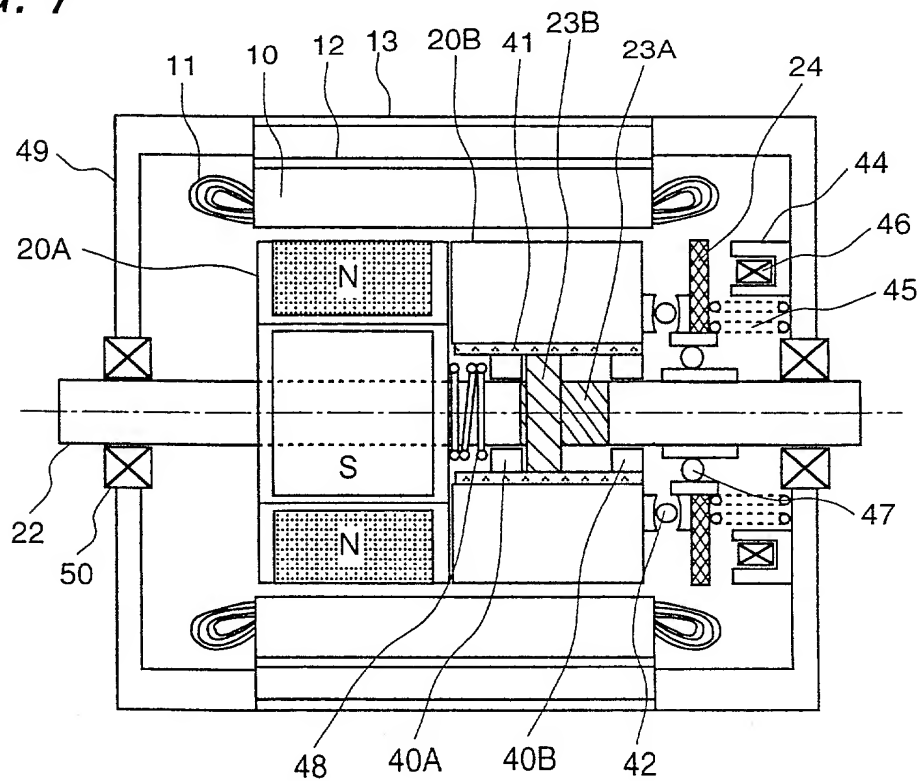


FIG. 8

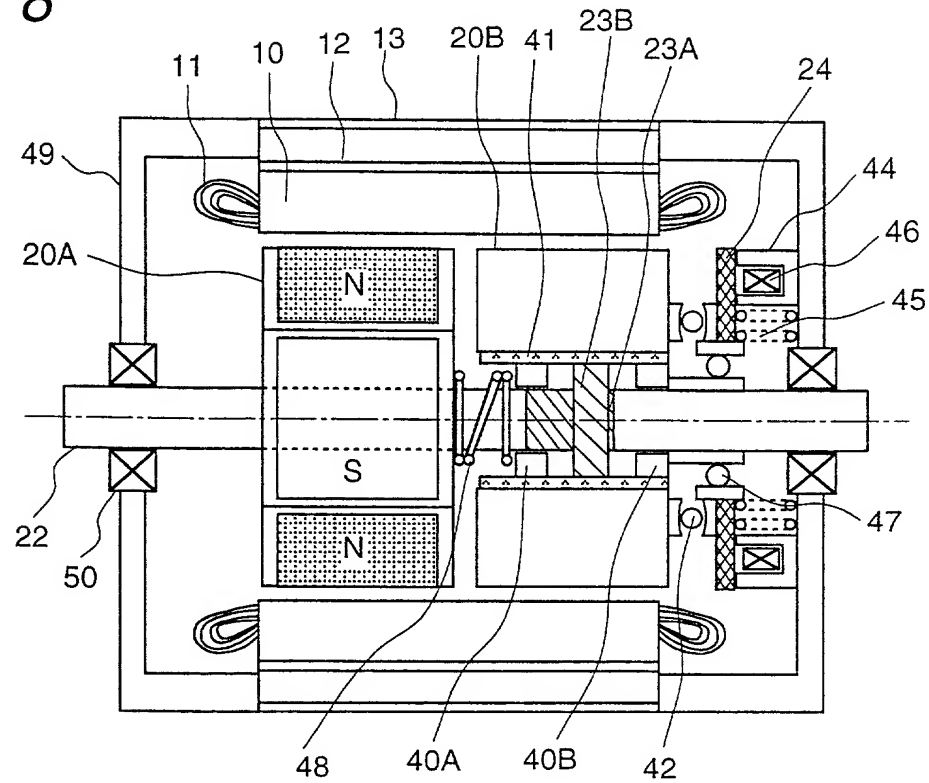


FIG. 11

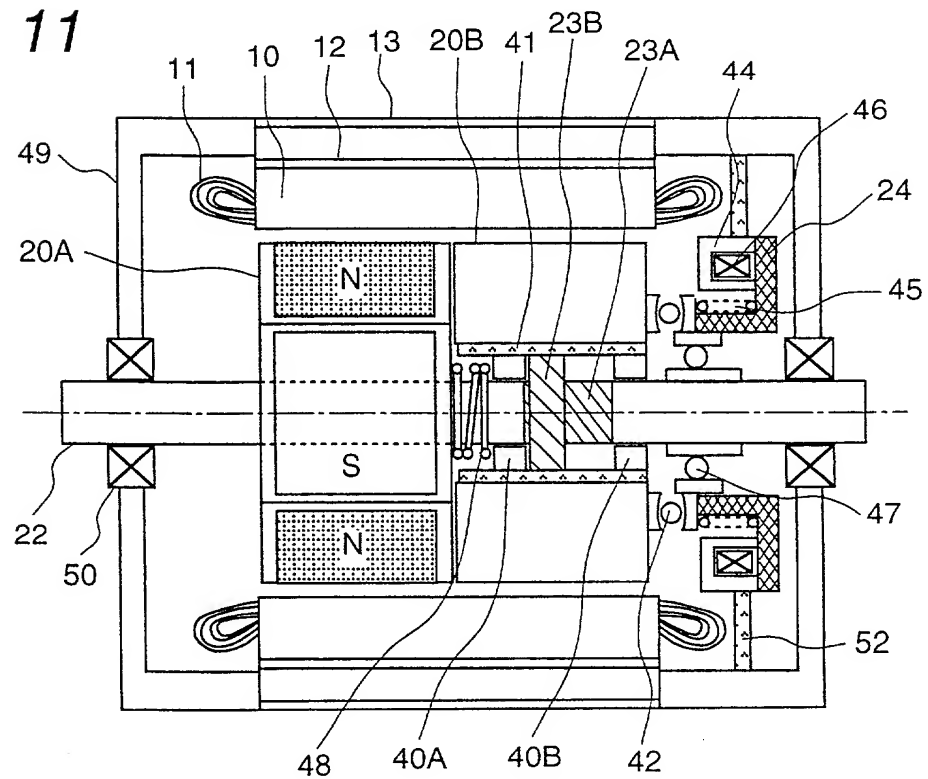
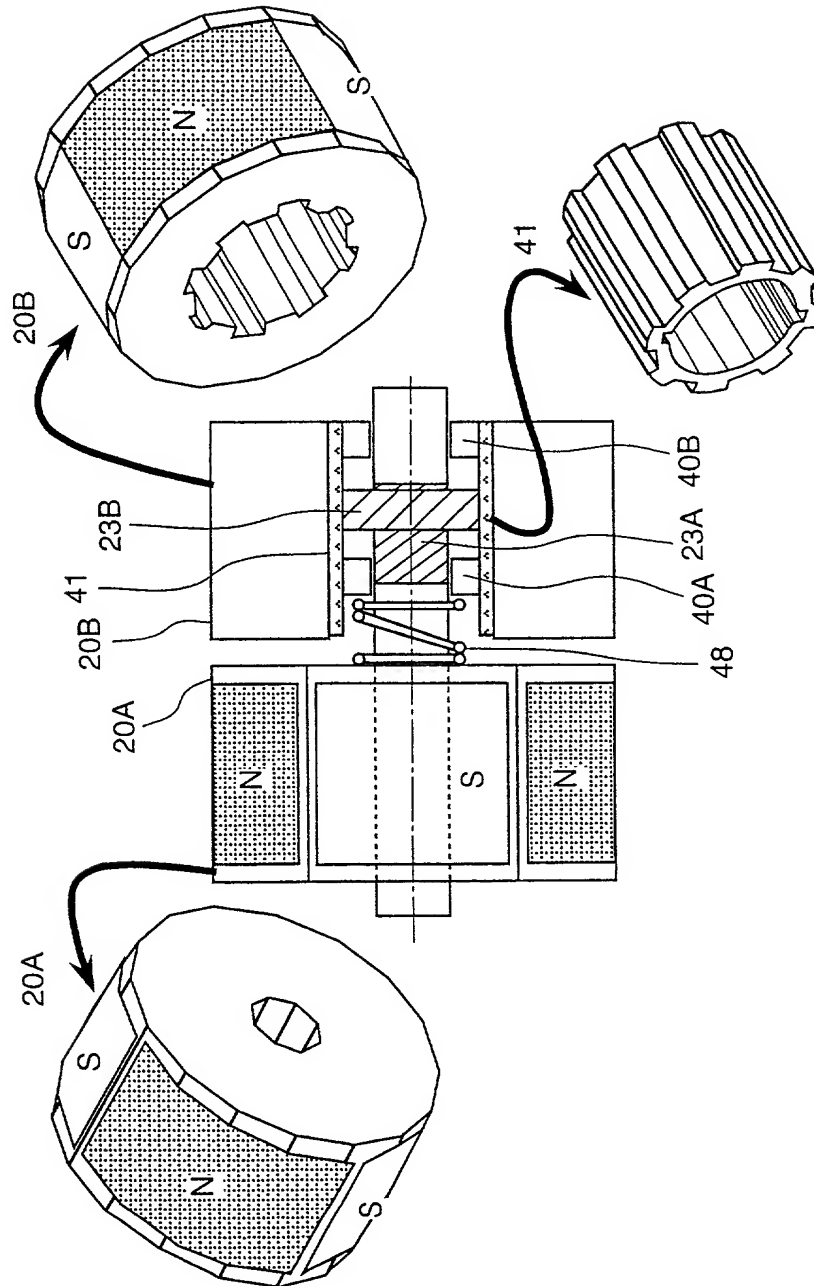
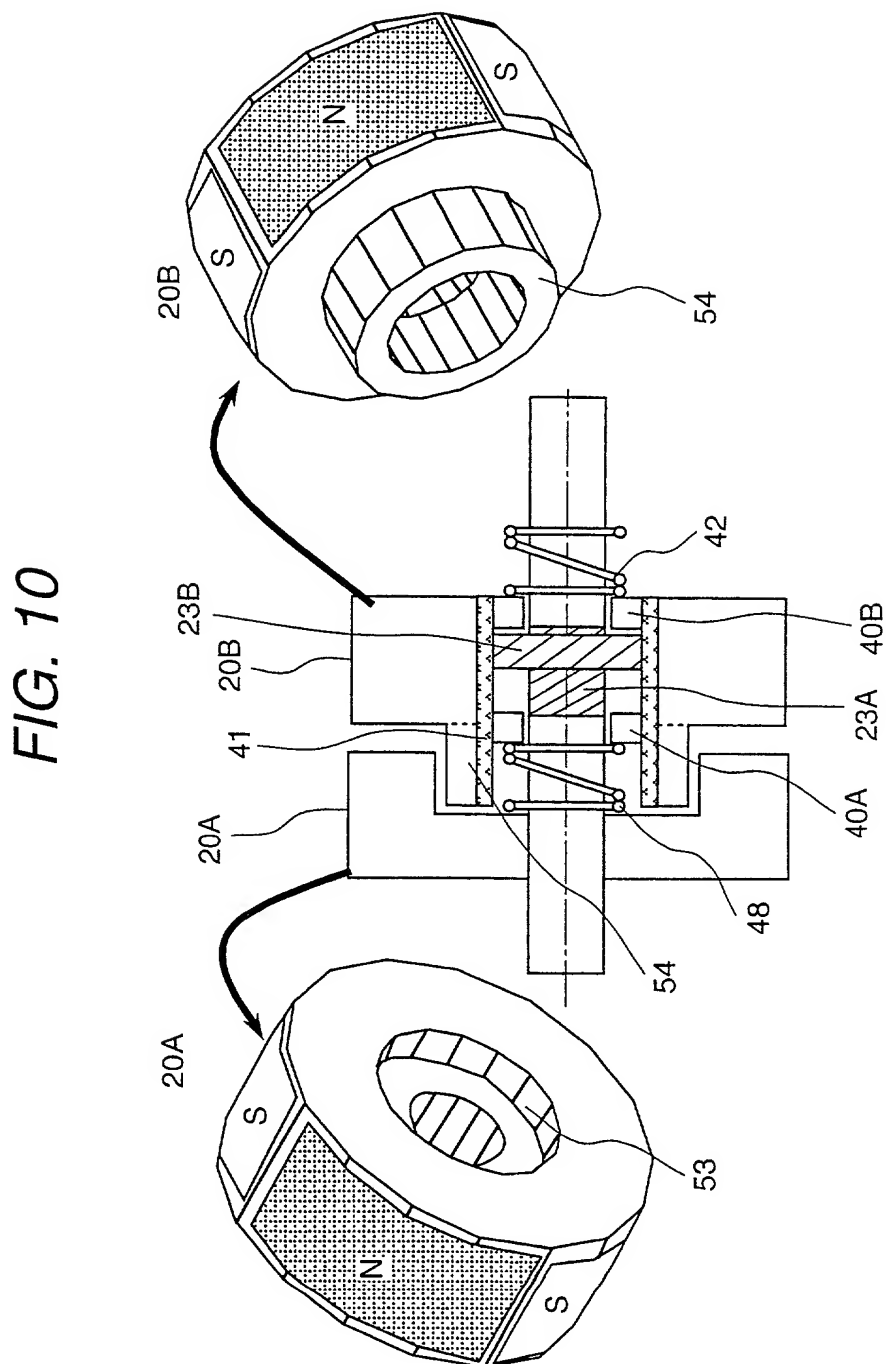


FIG. 9





A schematic cross-sectional view of a magnetic head assembly. The assembly includes a top pole piece (10) with a gap (Gap1) between it and a stack of layers (20A, N, S, N). A bottom pole piece (40A) is separated from the stack by a gap (Gap2). The stack is mounted on a substrate (22). A central core (24) is surrounded by a coil (11). The assembly is shown in a cross-section with various layers and components labeled with numbers and letters.

FIG. 14

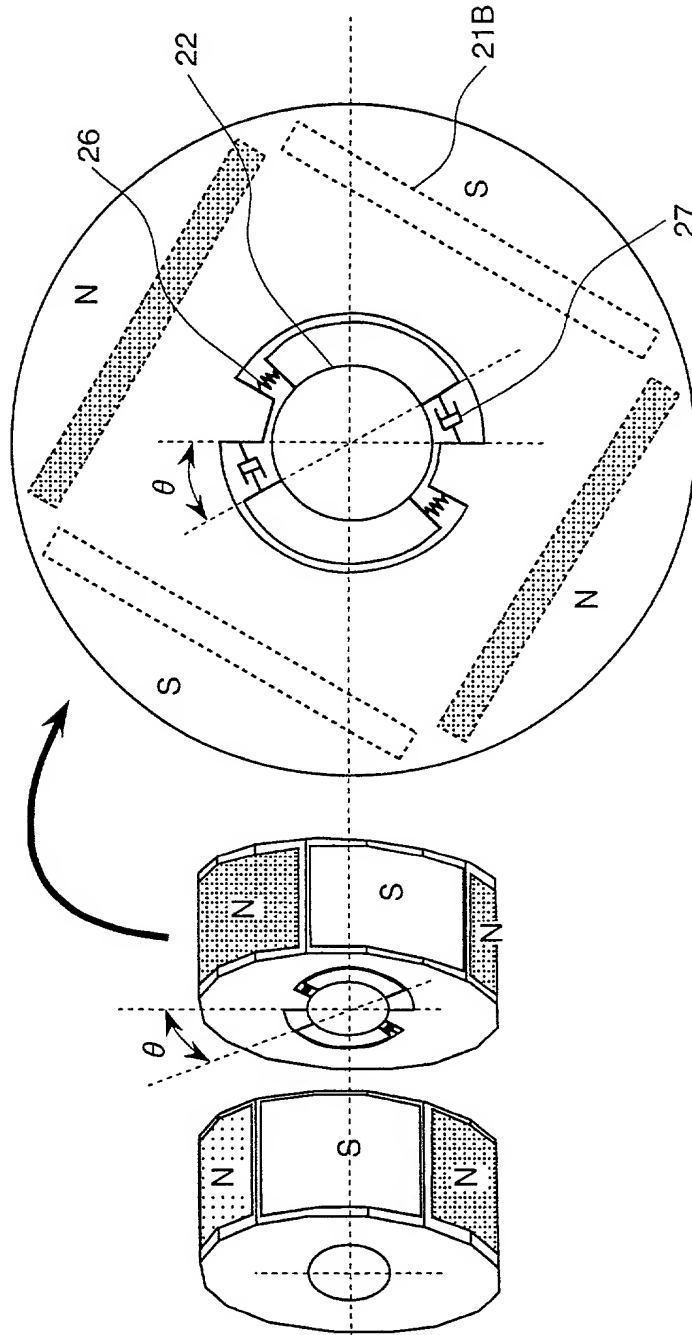


FIG. 15

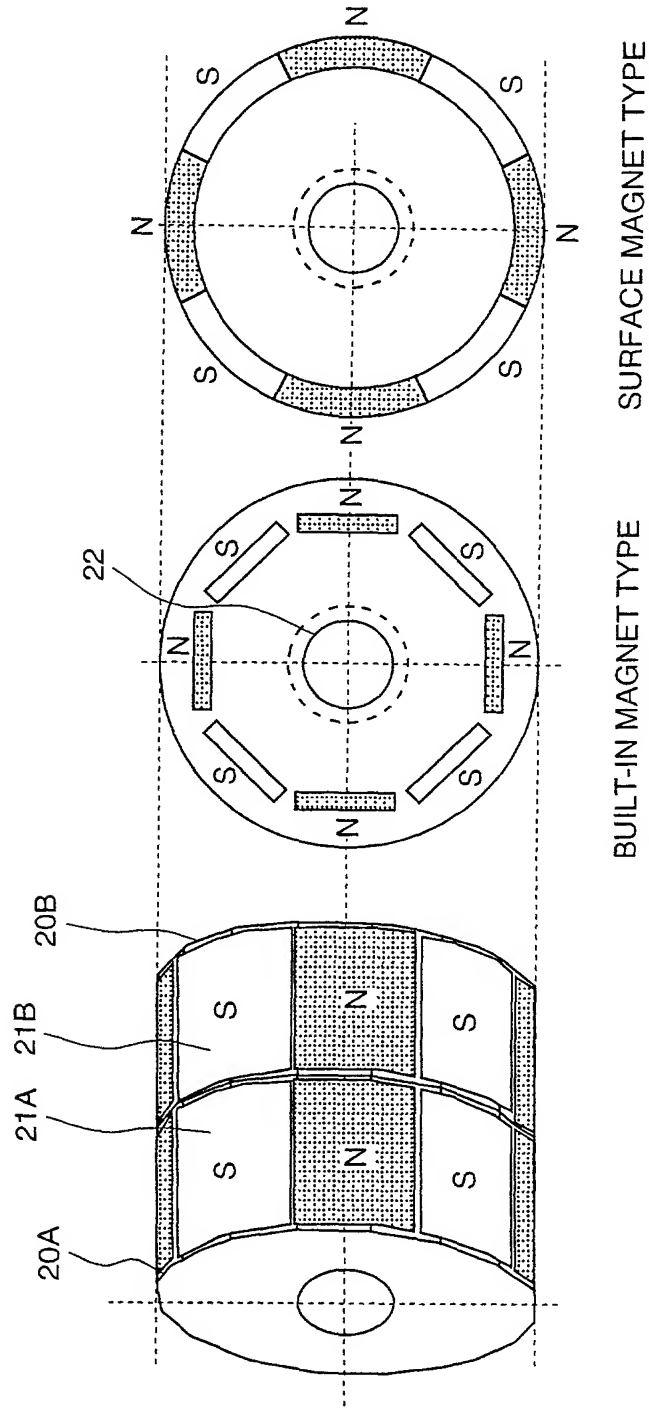


FIG. 16

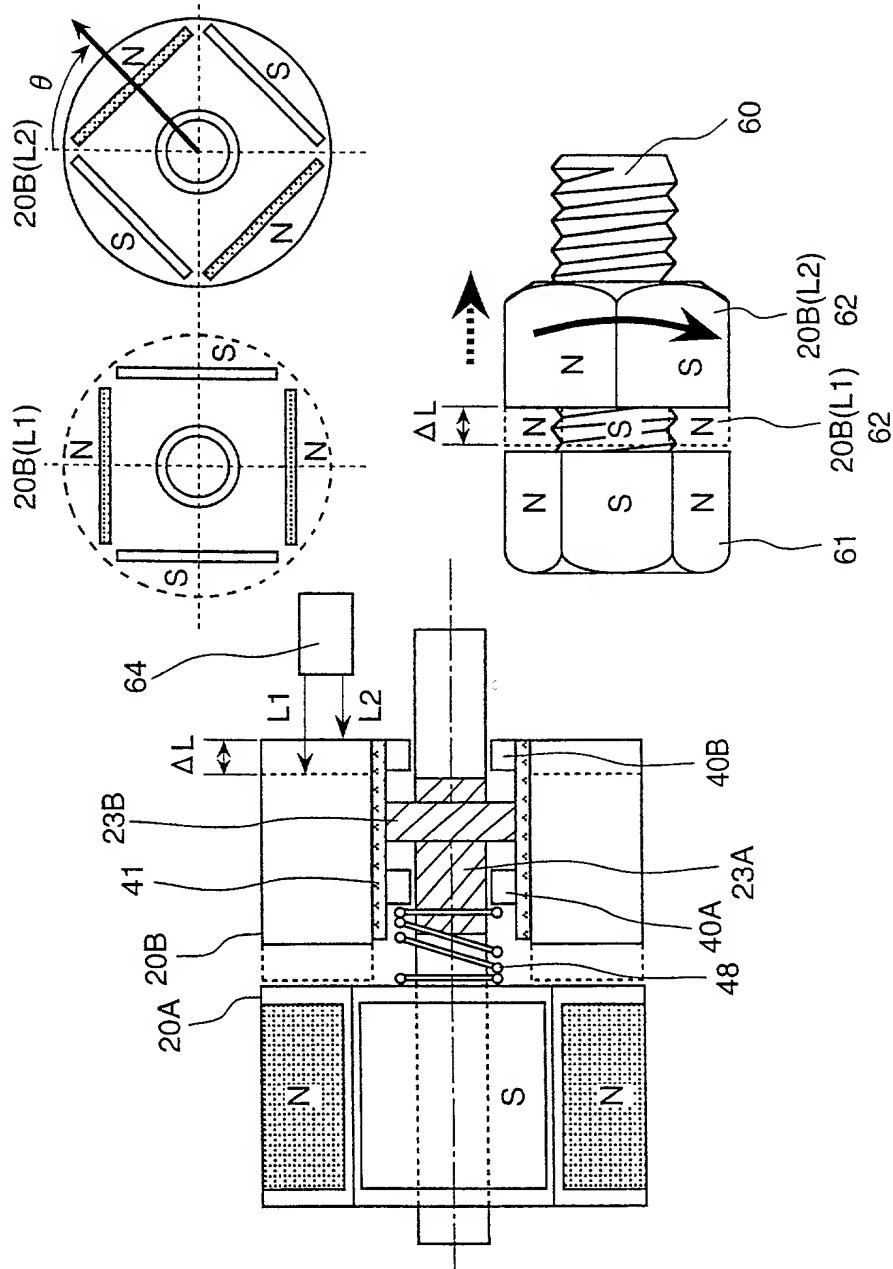


FIG. 17

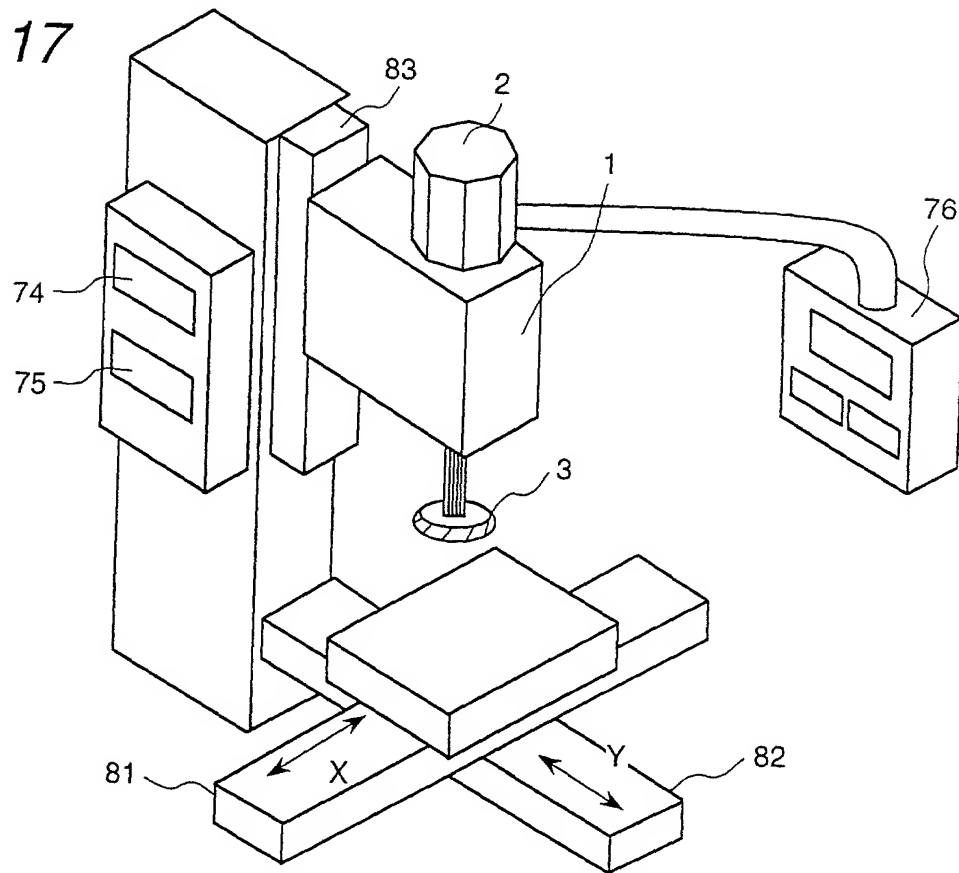


FIG. 18

